

## ABSTRACT

A method and system for transmitting and receiving multiple types of signals on a multifunctional base station. The multiple types of signals may include fixed wireless signals, cellular signals, and back haul signals. The multifunctional base station may sample an analog signal as received from the antenna and transmit a digital signal over a network interface. Alternatively, the multifunctional base station may convert a digital signal as received from the network interface into an analog signal and transmit the analog signal over an air interface.

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